

# hacking

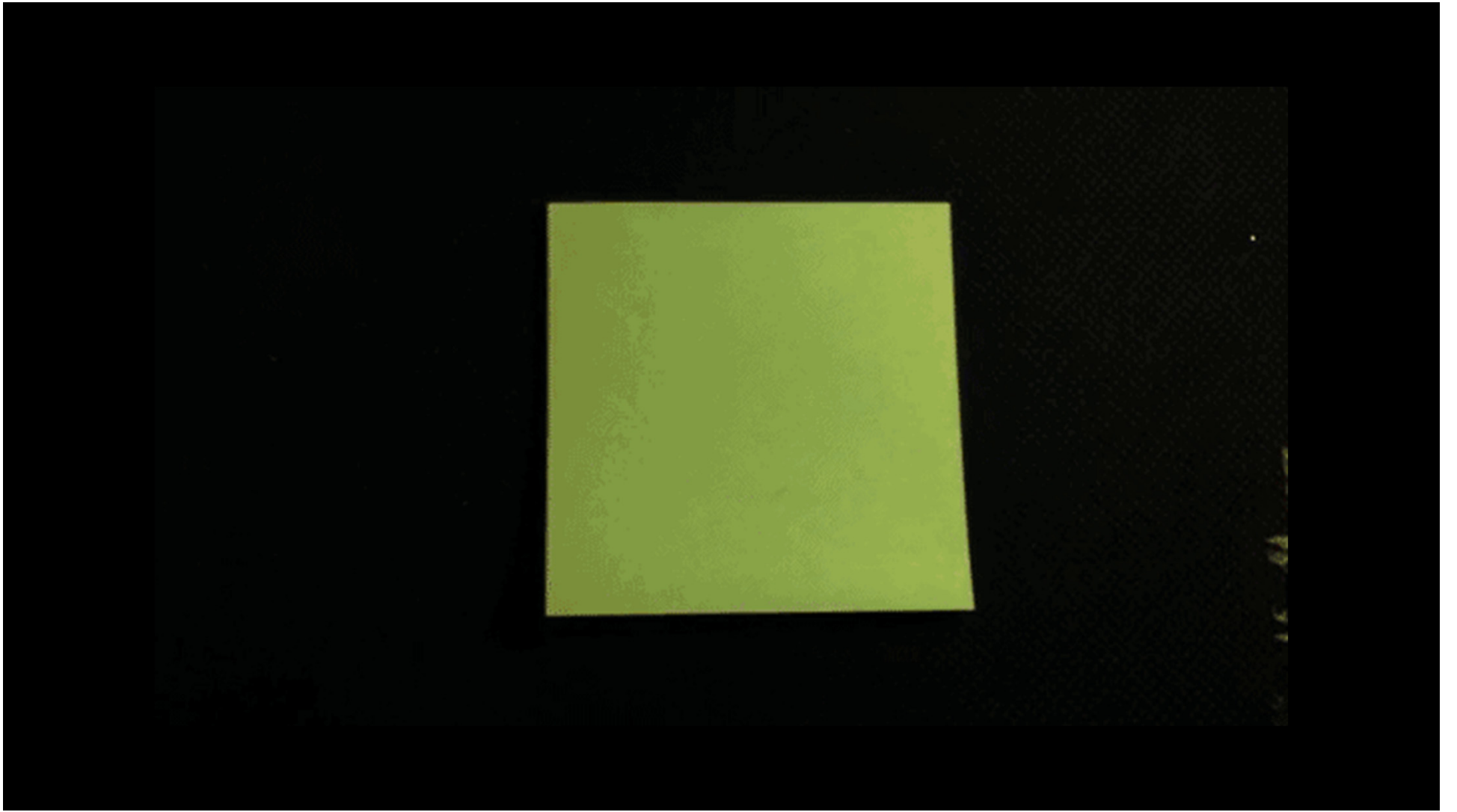
the security industry

# JACOBY

# DAVID JACOBY

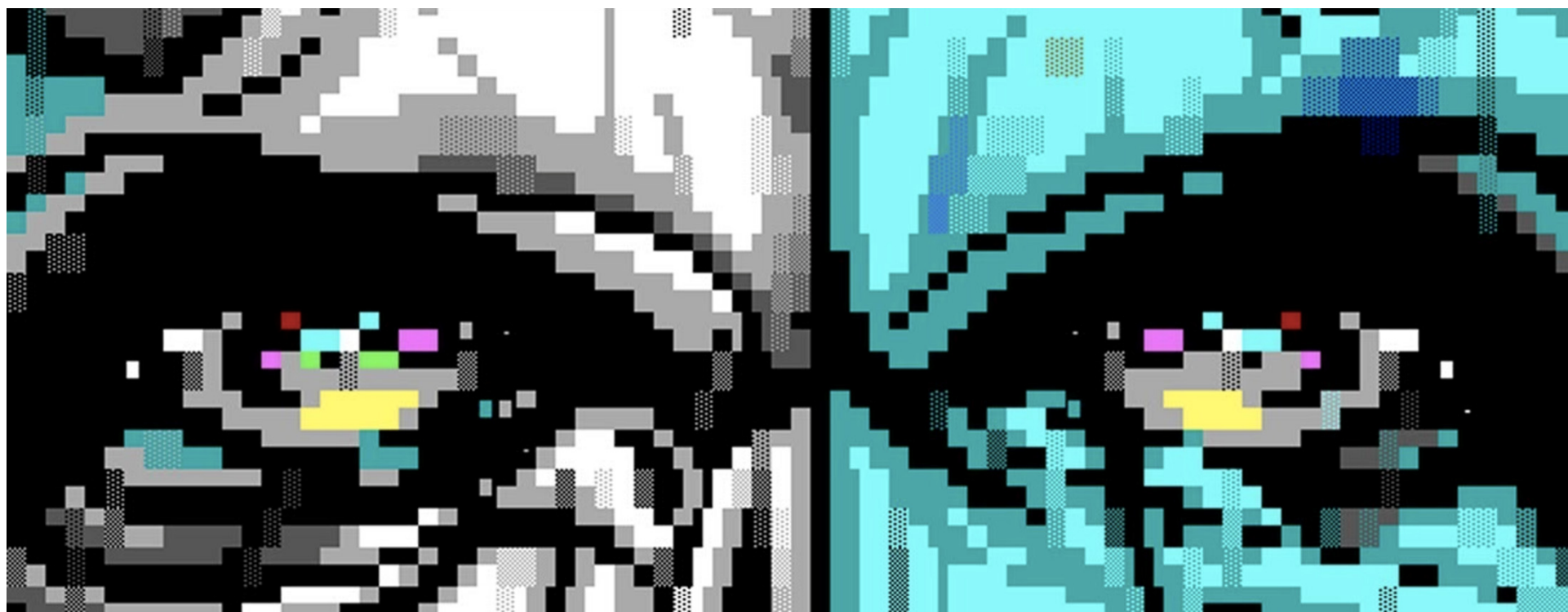
- ▶ **HACKER 2.0**
- ▶ **SUPER DAD**
- ▶ **MOVIE NERD**
- ▶ **RETRO COMPUTER NERD**
- ▶ **ADVISOR / AUTHOR / SPEAKER**
- ▶ **SUPER MODEL :)**











**WHAT IS IT-SECURITY?**

WE NEED TO BE **SECURE**



WE GET TOTALLY **EXCITED!**



WHEN WE **TRY** TO EXPLAIN OUR **IDEAS!**





**MANAGEMENT DOES NOT UNDERSTAND US!**



# MANAGEMENT SEE THE **BUDGET!**



**BAD GUYS DO THIS:**





**BAD GUYS** ALSO DO THIS



# BAD GUYS START HACKING



BADGUYS **BYPASS** OUR SECURITY!



CANT IDENTIFY THE **ATTACK**



# HUMILIATED





BUT WHAT DO **WE** DO?



BUT WHAT DO **THEY** DO?





DETERMINE THE **ROOT CAUSE?**



BUT WE HAVE A **RECOVERY** PLAN!



WE WORK **24/7!**





# HOW OUR **SECURITY** SHOULD WORK!



# SELLING US **NEW** SOLUTIONS!



SOME IS REALLY **BAD!**





SOME WILL DO **MAGICAL THINGS!**





BUT WE CANNOT **MANAGE** IT!



# THE **PERFECT** SECURITY!



**NOT** PERFECT SECURITY!

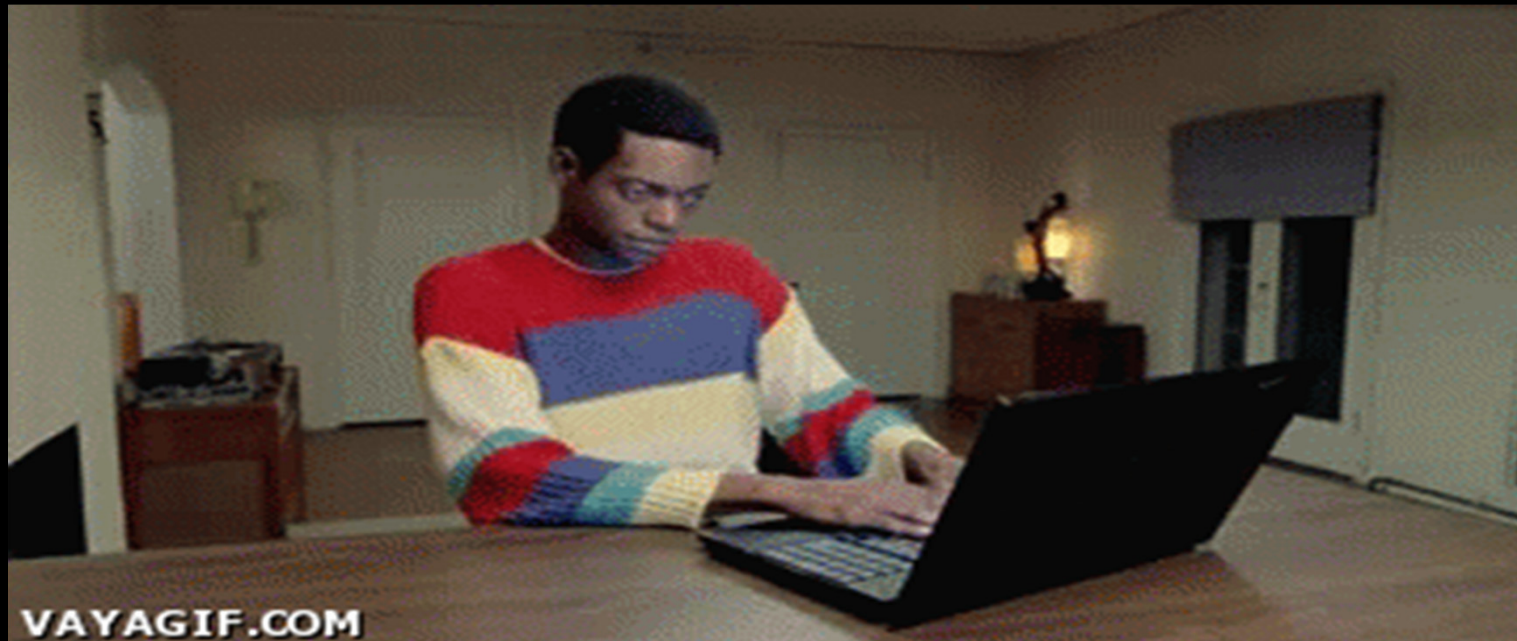


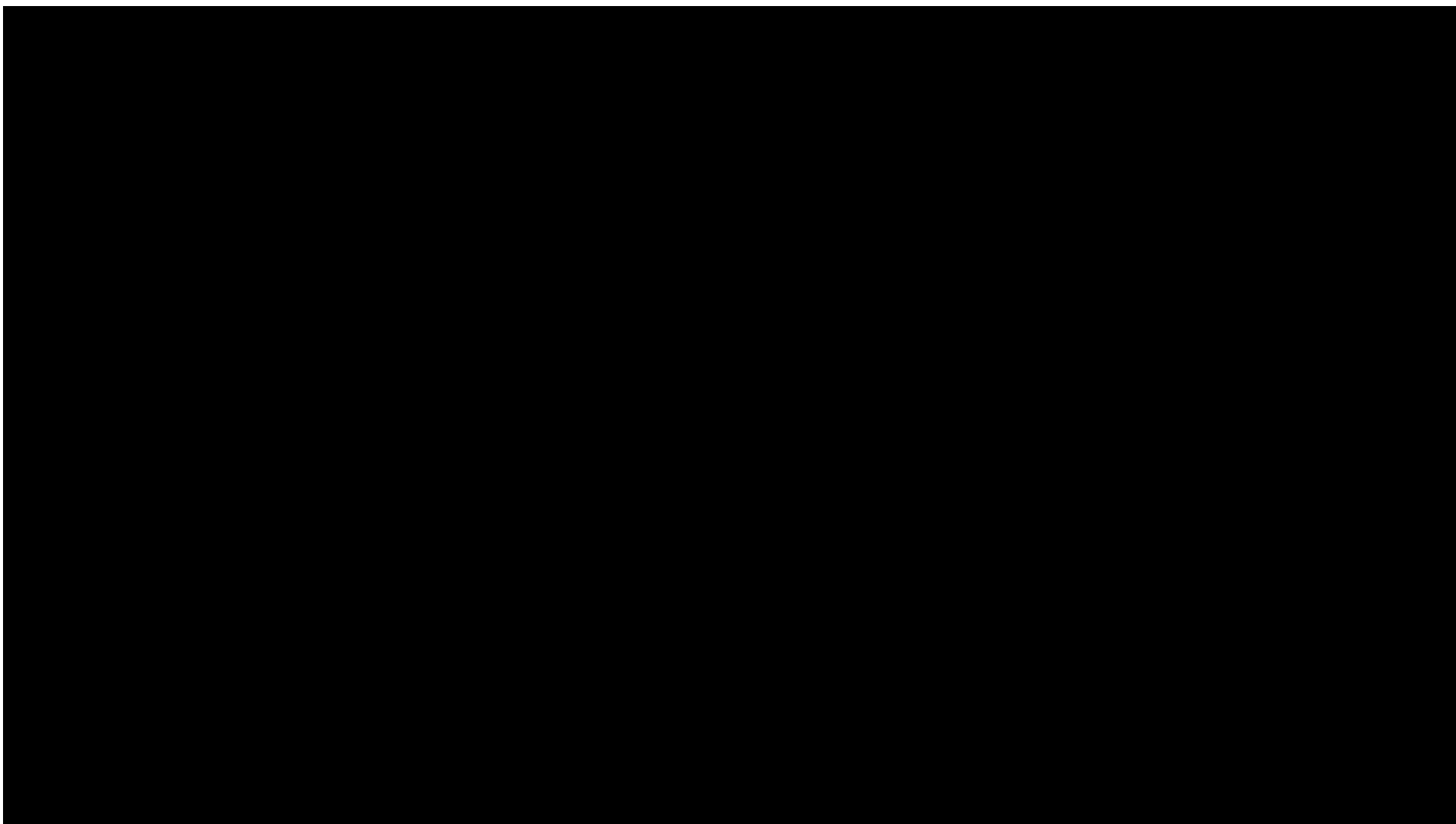
**REFUSE TO SEE THE PROBLEM!**



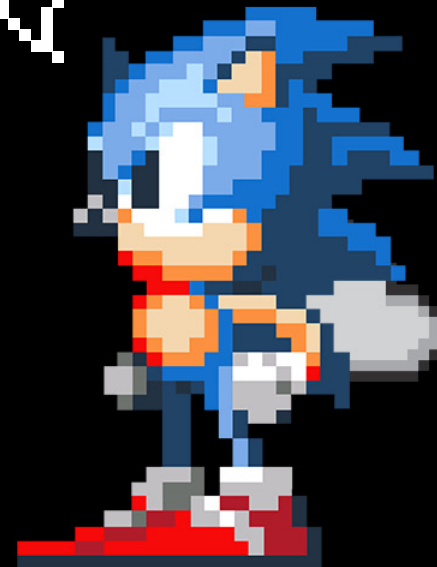


... **HACKED** AGAIN!



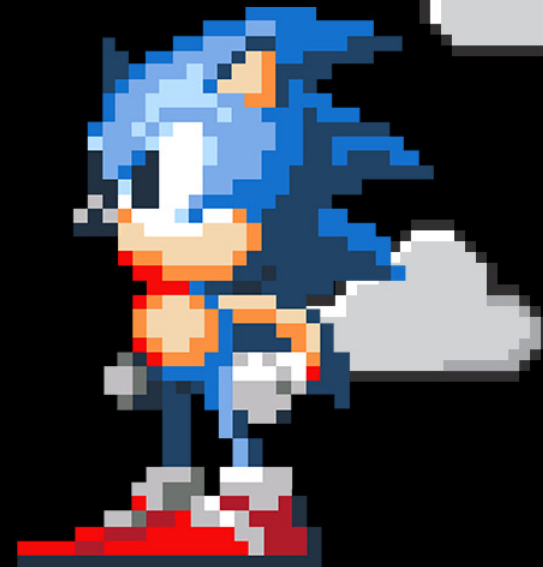


WE WISH THAT WE ARE GOING TO BE SECURE!

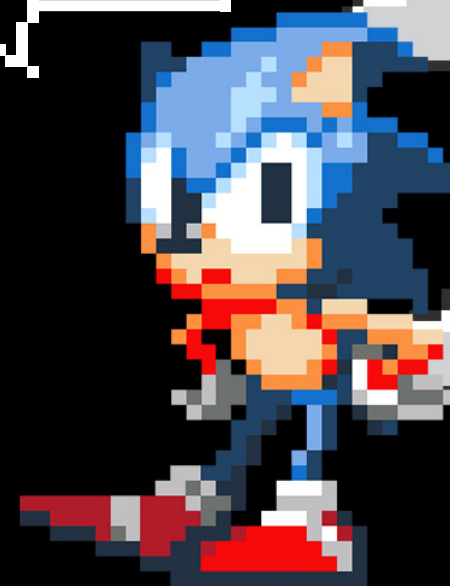




WE DON'T LEARN HOW TO GET SECURE



WE LEARN ABOUT THREATS



EDUCATION

AWARENESS

MINDSET

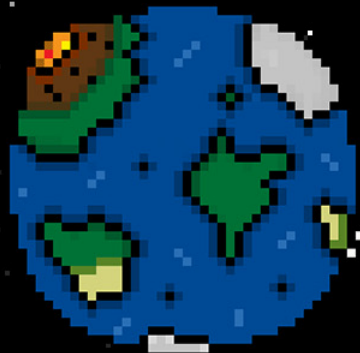
KNOWLEDGE

NO EXCUSES

TAKING IT PERSONAL

WE TRY TO MAKE  
A LIVING





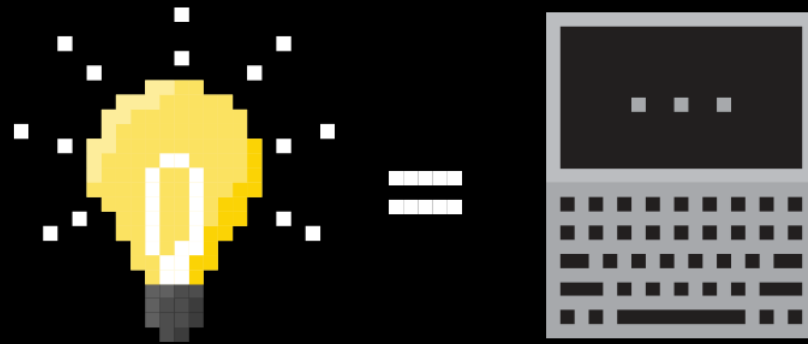
WE DON'T TRY  
TO MAKE A CHANGE





WE HAVE TO DO  
SOMETHING WE ENJOY





CREATIVITY = HACKING

I AM A HACKER!



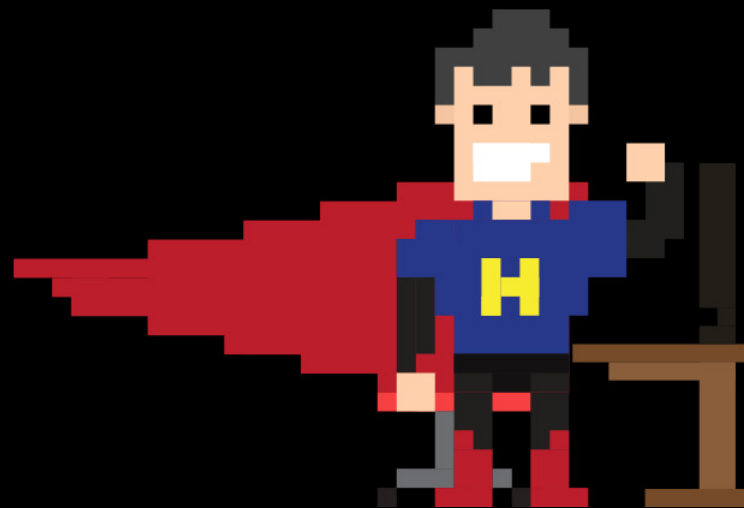
- «A hacker is one who enjoys the intellectual challenge of creatively overcoming and circumventing limitations of programming systems and who tries to extend their capabilities»







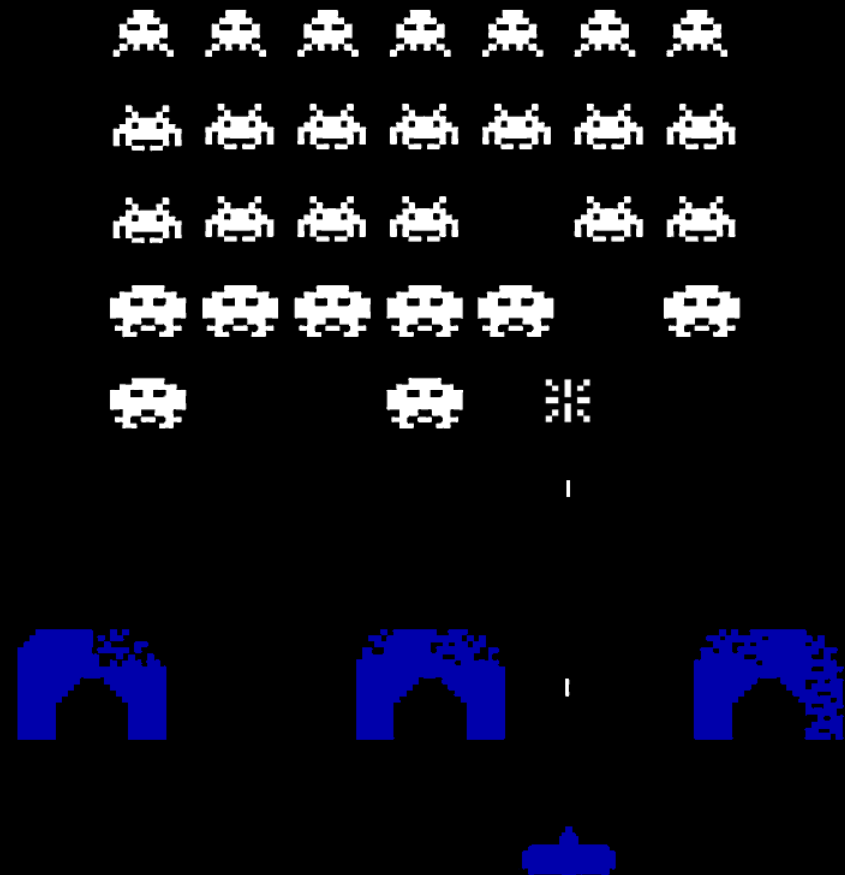
# HACKING THE SECURITY INDUSTRY






**FALSE PERCEPTIONS  
AND EXCUSES!!!**

- IT-Security is very expensive!
- Passwords are too difficult to remember!
- We are not hackers!
- Management never gives us enough time!
- Training is expensive!
- We are not a target!
- OSX/Linux/Unix is not a target for malware!
- and a lot more...



HAIR

CONSULTANTS

- 
- Pentesters are magic unicorns with unlimited power!
  - IT-departments are too "lame" to perform pentests!
  - All found vulnerabilities were known internally! We only need to audit our new systems!



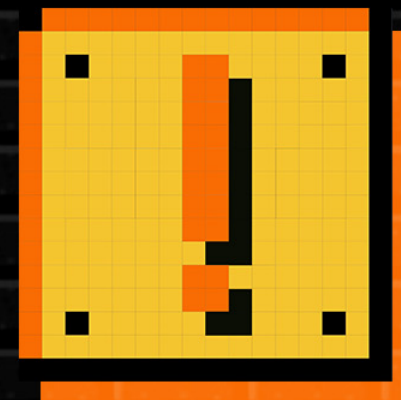
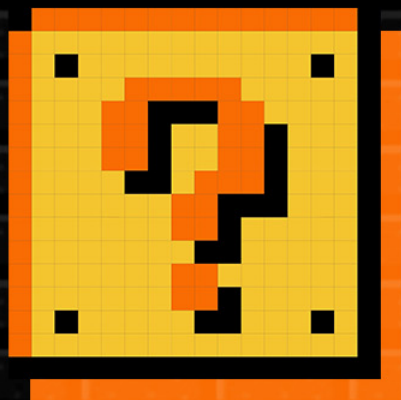


1 x PENTESTER	1200 SEK/hour
1 x SECURITY AUDIT	1 week

TOTAL:

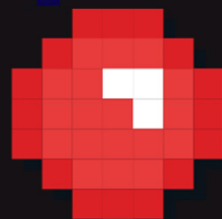
$8 * 1200 * 5 = 48000 \text{ SEK}$

WE ALREADY KNEW  
ABOUT THESE  
PROBLEMS?!



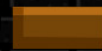


# BUG BOUNTY GAME



# the pENTESTing game

- Create different teams consisting of
  - System Administrators
  - Database Administrators
  - Web Developers
  - Network Administrations
- Let them document all **KNOWN** vulnerabilities
  - Weak Passwords / Expired accounts
  - Bad Network Segmentation
  - Unpatched Servers
  - Configuration mistakes
  - ... and everything else ...



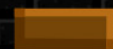
# the pENTESTing game

- Create an event around the game

- Invite an speaker!
- Have prices?
- Coca Cola, Pizza, Beer etc.
- Teambuilding event!

- The outcome of the game is

- Much better documentation?
- Internal Education
- Getting better value for Security Audits
- Building a stronger team
- Saving money?





\$HACKERS = "10";

1 x HACKER FOOD	100 SEK x \$HACKERS
1 x HACKER DRINKS	200 SEK x \$HACKERS
3 x PRIZES	1500 SEK
1 x RANDOM STUFF	2500 SEK

TOTAL:	7000 SEK
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# GAIN



DOCUMENTATION



EDUCATION



AWARENESS



MINDSET



"PERSONALIZATION"



TEAM BUILDING

MUCH MORE EFFECTIVE CONSULTANTS

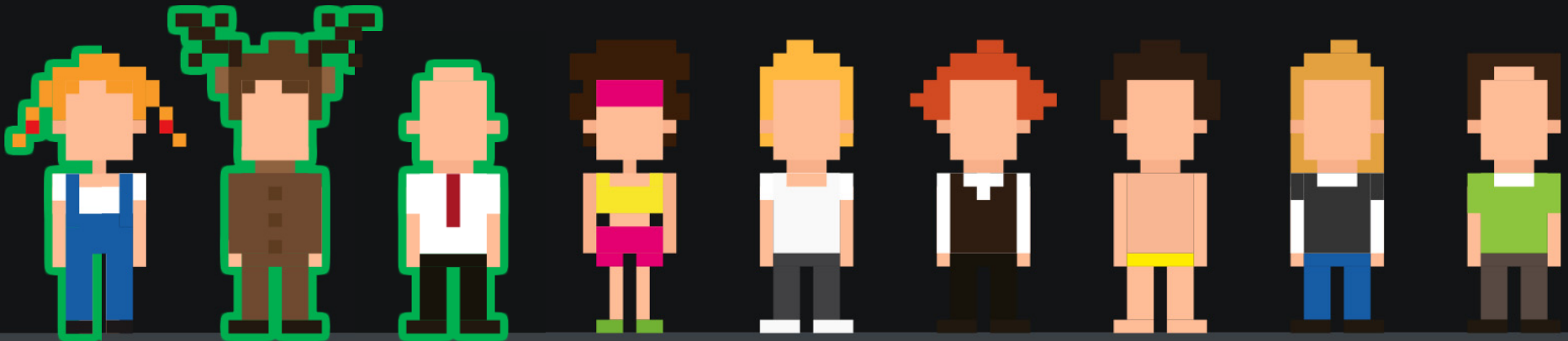


\*PASSWORDS\*

WHAT IS THE MOST  
IMPORTANT FACTOR  
FOR PASSWORDS?



PASSWORDS NEEDS TO BE  
PERSONAL!



HACKER

LETS HACK

\*PASSWORDS\*







USE A

PERSONAL

PHRASE !



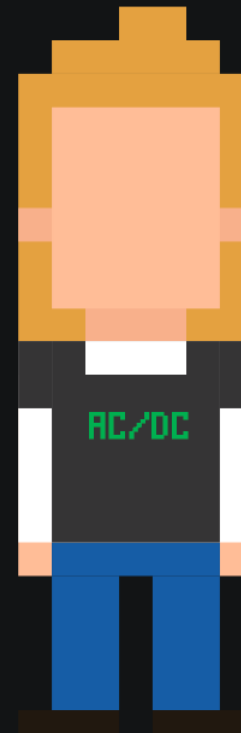


USE A  
**PERSONAL**  
CHARACTER!





# POWER OF ASSOCIATION!

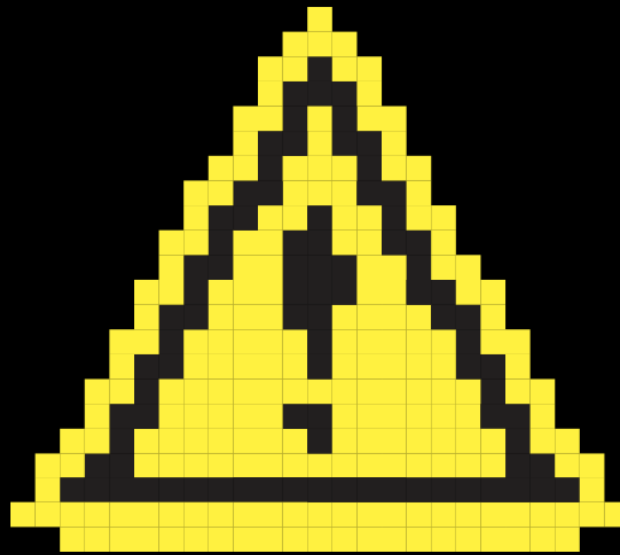


# HACKER

WE NEED TO HACK

\*PASSWORDS\*





CONNECTION RESET  
BY PEER!

# QUESTIONS

